

Amendments to the Specification:

Please replace paragraph [0020] with the following amended paragraph:

[0020] Figure 1 shows automated gearbox 10 having three gearshift rails 12, 14 and 16, each comprising respective gearshift jaws 13a, 13b, 15a, 15b, 17a and 17b. Gearshift jaws 13a and 13b of gearshift rail 12 form ~~[[gap]]~~ opening 18, gearshift jaws 15a and 15b of gearshift rail 14 form ~~[[gap]]~~ opening 20, while gearshift jaws 17a and 17b of gearshift rail 16 form ~~[[gap]]~~ opening 22. Thus, the gearshift jaws of gearshift rails 12, 14 and 16 form gap 25, i.e., the gap formed by openings 18, 20 and 22. Shift finger 24, not shown in any further detail, can be moved within ~~gaps 18, 20 and 22~~ gap 25, regardless of whether or not the engine is in gear, for example, in the direction of arrow 26 and/or first bi-directional arrow 28. In the embodiment shown in Figure 1, specific gears are associated with each particular gearshift rail 12, 14 and 16, e.g., first and second gears may be associated with rail 12, third and fourth gears may be associated with rail 14, while fifth and reverse gears may be associated with rail 16.

Please replace paragraph [0021] with the following amended paragraph:

[0021] When a reference travel is started, shift finger 24 can move laterally in the direction of the N-gap, or in other words the neutral gap, and at the same time can probe periodically upward and downward until a resistance becomes detectable. In Figure 1, lateral movement is indicated by arrow 26, while upward and downward movement is indicated by first bi-directional arrow 28. Once this resistance is eliminated, then shift finger 24 can be moved upward over the entire neutral gap width, i.e., through ~~gaps 18, 20, and 22~~ gap 25, and an opposite reference point can possibly be reached. The direction of selection can thus be adjusted. The concluding adjustment in the gearshift direction, for example, can be performed in recess 30 that is specially provided for this purpose. After referencing, e.g., moving shift finger 24 within recess 30 according to second bi-directional arrow 32, the shift finger again returns to its position prior to the reference travel.

Please replace paragraph [0021.1] with the following amended paragraph:

[0021.1] Figure 2 is a block diagram of gearbox actuation system **40** comprising brushless electric motor **42**, automated gearbox **10**, ~~engine **44**~~ and means **46** operatively arranged for adjusting at least one reference travel ~~while engine **44** is in gear~~.